What is claimed is:

1. A method for determining a configuration for a target data storage system based on input related to a source data storage system including one or more data storage systems, the method comprising the steps of:

receiving utilization or response time data related to one or more source data storage systems;

receiving performance characteristics of work performed on the one or more source data storage systems; and

determining a configuration for a target data storage system using the utilization or response time data and performance characteristics.

2. The method of claim 1, wherein determining the configuration of the target data storage system includes determining the configuration of components of the target data storage system.

3. The method of claim 2, wherein determining the configuration of components of the target data storage system is used for load balancing the performance of the target data storage system.

4. The method of claim 2, wherein determining the configuration of components of the target data storage system is used for determining the storage capacity of the target data storage system.

5. The method of claim 2, wherein determining the configuration of components of the target data storage system is used for at least partially optimizing performance of the target data storage system.

6. The method of claim 1, wherein determining the configuration of the target data storage system is used for load balancing the performance of the target data storage system.

7. The method of claim 1, wherein determining the configuration of the target data storage system is used for determining the storage capacity of the target data storage system.

8. The method of claim 1, wherein determining the configuration of the target data storage system is used for at least partially optimizing performance of the target data storage system.

9. A system for determining a configuration for a target data storage system based on input related to a source data storage system including one or more data storage systems, the system comprising:

a computer having a memory and a display;

computer-executable program code operating in memory, wherein the computer-executable program code is configured for execution of the following steps:

receiving utilization or response time data related to one or more source data storage systems;

receiving performance characteristics of work performed on the one or more source data storage systems; and

determining a configuration for a target data storage system using the utilization or response time data and performance characteristics.

10. The system of claim 9, wherein determining configuration of the target data storage system includes determining the configuration of components of the target data storage system.

11. The system of claim 10, wherein determining the configuration of components of the target data storage system is used for load balancing the performance of the target data storage system.

12. The system of claim 10, wherein determining the configuration of components of the target data storage system is used for determining the storage capacity of the target data storage system.

13. The system of claim 10, wherein determining the configuration of components of the target data storage system is used for at least partially optimizing performance of the target data storage system.

14. The system of claim 9, wherein determining the configuration of the target data storage system is used for load balancing the performance of the target data storage system.

15. The system of claim 9, wherein determining the configuration of the target data storage system is used for determining the storage capacity of the target data storage system.

16. The system of claim 9, wherein determining the configuration of the target data storage system is used for at least partially optimizing performance of the target data storage system.

17. A program product for simulating performance activity on one or more data storage systems, the program product including a computer readable medium with computer-executable program code configured for causing the following computer-executed steps to occur:

      receiving configuration data related to the configuration of one or more data storage systems;

receiving performance characteristics of work performed on the one or more data

storage systems; and

determining utilization of the target data storage system using the configuration

data and performance characteristics.

18. The program product of claim 17, wherein determining configuration of the target

data storage system includes determining the configuration of components of the target

data storage system.

19. The program product of claim 18, wherein determining the configuration of

components of the target data storage system is used for load balancing the performance

of the target data storage system.

20. The program product of claim 18, wherein determining the configuration of

components of the target data storage system is used for determining the storage capacity

of the target data storage system.

21. The program product of claim 18, wherein determining the configuration of

components of the target data storage system is used for at least partially optimizing

performance of the target data storage system.

22. The program product of claim 18, wherein determining the configuration of the target data storage system is used for load balancing the performance of the target data storage system.

23. The program product of claim 17, wherein determining the configuration of the target data storage system is used for determining the storage capacity of the target data storage system.

24. The program product of claim 17, wherein determining the configuration of the target data storage system is used for at least partially optimizing performance of the target data storage system.